



Express Mail No. EV 313 842 714 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: VANN et al.

Confirmation No.: 2185

Serial No.: 10/602,900

Art Unit: 1645

Filed: June 23, 2003

Examiner: n/a

For: FIBER ARRAY AND METHODS
FOR USING AND MAKING
SAME

Attorney Docket No.: 9584-049-999

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1. Enclosures accompanying this Information Disclosure Statement are:
 - 1a. A list of all patents, publications, applications, or other information submitted for consideration by the office.
 - 1b. A legible copy of :
 - Each U.S. patent application publication and U.S. and foreign patent;
 - Each publication or that portion which caused it to be listed on the PTO-1449;
 - For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;
 - all other information or portion which caused it to be listed on the PTO-1449.
 - 1c. An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
 - 1d. Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
2. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):
 - Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
 - Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;

Before the mailing of the first Office action on the merits;

Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.

3. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R. §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

(Check either Item 3a or 3b)

3a. The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.

3b. The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
 enclosed
 to be charged to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310.

(Item 3b to be checked if any reference known for more than 3 months)

4. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The Certification Statement in Item 5 below is applicable.

The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
 enclosed
 to be charged to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310.

5. Certification Statement (applicable if Item 3a or Item 4 is checked)

(Check either Item 5a or 5b)

5a. In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

5b. Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

5c. Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

6. This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).

(Check appropriate Items 6a, 6b and/or 6c)

6a. A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.

6b. Copies of publications listed on Form PTO-1449 from prior application Serial No. 09/590,761, filed on June 8, 2000, of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).

6c. Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.

7. This is a Supplemental Information Disclosure Statement. (Check Item 7a)

7a. This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on

8. In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check Item 8a, 8b, or 8c)

8a. satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.

8b. set forth in the application.

8c. enclosed as an attachment hereto.

9. The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310.

10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date: January 13, 2004

45,645

(Reg. No.)

Dion M. Bregman

MORGAN, LEWIS & BOCKIUS LLP

3300 Hillview Avenue

Palo Alto, CA 94304

(650) 493-4935



LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

ATTY DOCKET NO. 9584-0049-999	APPLICATION NO 10/602,900
APPLICANT VANN et al.	
FILING DATE June 23, 2003	GROUP 1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A01	4,447,546	05/08/84	Hirschfeld			
A02	4,503,012	03/05/85	Starr			
A03	4,668,636	05/26/87	Ringrose et al.			
A04	4,682,710	07/28/87	Turner, Jr., et al.			
A05	4,691,850	09/08/87	Kirschmann et al.			
A06	4,810,658	03/07/89	Shanks et al.			
A07	4,822,746	04/18/89	Walt			
A08	4,974,927	12/04/90	Kimura			
A09	5,114,864	05/19/92	Walt			
A10	5,143,853	09/01/92	Walt			
A11	5,192,510	03/09/93	Zoha et al.			
A12	5,202,231	04/13/93	Drmanac et al.			
A13	5,219,726	06/15/93	Evans			
A14	5,244,636	09/14/93	Walt et al.			
A15	5,244,813	09/14/93	Walt et al.			
A16	5,250,264	10/05/93	Walt et al.			
A17	5,252,494	10/12/93	Walt			
A18	5,254,477	10/19/93	Walt			
A19	5,298,741	03/29/94	Walt et al.			
A20	5,320,814	06/14/94	Walt et al.			
A21	5,320,808	06/14/94	Holen et al.			
A22	5,341,962	08/30/94	Way et al.			
A23	5,429,807	07/04/95	Matson et al.			
A24	5,512,490	04/30/96	Walt et al.			
A25	5,525,464	06/11/96	Drmanac et al.			
A26	5,530,779	06/25/96	Baldini et al.			
A27	5,532,129	07/02/96	Heller			
A28	5,565,322	10/15/96	Heller			
A29	5,585,069	12/1996	Zanzucchi et al.			
A30	5,599,695	02/04/97	Pease et al.			
A31	5,605,662	02/25/97	Heller et al.			
A32	5,632,957	05/27/97	Heller et al.			
A33	5,633,972	05/27/97	Walt et al.			
A34	5,661,028	08/26/97	Foote			
A35	5,675,151	10/07/97	Oka et al.			
A36	5,677,195	10/14/97	Winkler et al.			



A37	5,700,897	12/23/97	Klainer et al.				
A38	5,744,305	04/28/98	Fodor et al.				
A39	5,787,032	07/28/98	Heller et al.				
A40	5,807,522	09/15/98	Brown et al.				
A41	5,814,524	09/29/98	Walt et al.				
A42	5,843,651	12/01/98	Stimpson et al.				
A43	5,863,502	01/1999	Southgate et al.				
A44	6,023,540	02/08/00	Walt et al.				
A45	6,060,288	05/2000	Adams et al.				
A46	6,078,705	06/20/00	Neuschäfer et al.				
A47	6,146,593	11/14/00	Pinkel et al.				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO
-	B01	WO 93/21513	10/28/93	PCT					
-	B02	WO 94/12863	06/09/94	PCT					
-	B03	633 465 A1	01/11/95	Europe					
-	B04	WO 95/02566	01/26/95	PCT					
-	B05	DE 4419586	12/07/95	Germany					
-	B06	WO 96/17957	06/13/96	PCT					
-	B07	WO 98/31836	07/23/96	PCT					
-	B08	WO 97/27324	07/31/97	PCT					
-	B09	WO 98/15355	04/16/98	PCT					
-	B10	WO 98/40726	09/17/98	PCT					
-	B11	WO 98/50782	11/12/98	PCT					
-	B12	WO 98/53300	11/26/98	PCT					
-	B13	WO 98/58079	12/23/98	PCT					
-	B14	WO 99/18434	04/15/99	PCT					
-	B15	WO 99/45357	09/10/99	PCT					
-	B16	WO 99/67641	12/29/99	PCT					
-	B17	WO 00/13004	03/09/00	PCT					
-	B18	WO 00/16101	03/23/00	PCT					
-	B19	WO 00/29832	05/25/00	PCT					
-	B20	WO 00/39587	07/06/00	PCT					
-	B21	WO 00/44491	08/03/00	PCT					
-	B22	WO 00/47996	08/17/00	PCT					
-	B23	WO 00/48000	08/17/00	PCT					
-	B24	WO 00/63437	10/26/00	PCT					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

C01	Milanovich et al.; "Clinical Measurements Using Fiber Optics and Optrodes"; <u>SPIE, Novel Optical Fiber Techniques for Medical Applications</u> , Vol. 494; April 21, 1984; pp. 18-24.
C02	Walt et al.; "Improved Fiber-Optic Chemical Sensor for Penicillin"; <u>Anal. Chem.</u> , Vol. 67, No. 24; December 15, 1995; pp. 4471-4476.
C03	Dickinson et al.; "A Chemical-Detecting System Based on a Cross-Reactive Optical Sensor Array"; <u>Nature</u> , Vol. 382; August 22, 1996; pp. 697-700.

C04	Ferguson et al.; "Simultaneous Monitoring of pH, CO ₂ and O ₂ Using an Optical Imaging Fiber"; <u>Analytica Chimica Acta</u> , Vol. 340; 1997; pp. 123-131.
C05	Bailey et al.; "Intrinsic Sol - Gel Clad Fiber-Optic Sensors with Time-Resolved Detection"; <u>Anal. Chem.</u> ; Vol. 68, No. 14; July 15, 1996; pp. 2289-2295.
C06	Freeman et al.; "Oxygen Probe Based on Tetrakis(alkylamino)ethylene Chemiluminescence"; <u>Anal. Chem.</u> ; Vol. 53, No. 1; January 1981; pp. 98-102.
C07	Wolfbeis et al.; "Fiber-Optic Fluorosensor for Oxygen and Carbon Dioxide"; <u>Anal. Chem.</u> ; Vol. 60, No. 19; October 1, 1998; pp. 2028-2030.
C08	Jordan et al.; "Physiological pH Fiber-Optic Chemical Sensor Based on Energy Transfer"; <u>Anal. Chem.</u> ; Vol. 59, No. 3; February 1, 1987; pp. 437-439.
C09	Lubbers et al.; "Optical Fluorescence Sensors for Continuous Measurement of Chemical Concentrations in Biological Systems"; <u>Sensors and Actuators</u> ; Vol. 4; 1983; pp. 641-654.
C10	Munkholm et al.; "Polymer Modification of Fiber Optic Chemical Sensors as a Method of Enhancing Fluorescence Signal for pH Measurement"; <u>Anal. Chem.</u> ; Vol. 58, No. 7; June 1986; pp. 1427-1430.
C11	Seitz; "Chemical Sensors Based on Fiber Optics"; <u>Anal. Chem.</u> ; Vol. 56, No. 1; January 1984; pp. 16A-34A.
C12	Peterson et al.; "Fiber Optic pH Probe for Physiological Use"; <u>Anal. Chem.</u> ; Vol. 52, No. 6; May 1980; pp. 864-869.
C13	Saari et al.; "pH Sensor Based on Immobilized Fluoresceinamine"; <u>Anal. Chem.</u> ; Vol. 54, No. 4; April 1982; pp. 821-823.
C14	Collison et al.; "Chemical Sensors for Bedside Monitoring of Critically Ill Patients"; <u>Anal. Chem.</u> ; Vol. 6, No. 7; April 1, 1990; pp. 425-437.
C15	Schwab et al.; "Versatile, Efficient Raman Sampling with Fiber Optics"; <u>Anal. Chem.</u> ; Vol. 56, No. 12; October 1984; pp. 2199-2204.
C16	Saarl et al.; "Immobilized Morin as Fluorescence Sensor for Determination of Aluminum (III)"; <u>Anal. Chem.</u> ; Vol. 55, No. 4; April 1983; pp. 667-670.
C17	Seitz; "Chemical Sensors Based on Immobilized Indicators and Fiber Optics"; <u>CRC Critical Review in Analytical Chemistry</u> ; Vol. 19, Issue 2; 1988; pp. 135-173.
C18	Tan et al.; "Submicrometer Intracellular Chemical Optical Fiber Sensors"; <u>Science</u> ; Vol. 258; October 30, 1992; pp. 778-781.
C19	Janata; "Chemical Sensors"; <u>Anal. Chem.</u> ; Vol. 64, No. 12; June 15, 1992; pp. 196R-219R.
C20	Orellana et al.; "Fiber-Optic Sensing of Carbon Dioxide Based on Excited-State Proton Transfer to a Luminescent Ruthenium (II) Complex"; <u>Anal. Chem.</u> ; Vol. 64, No. 19; October 1, 1992; pp. 2210-2215.
C21	Michael et al.; "The Use of Optical-Imaging Fibers for the Fabrication of Array Sensors"; <u>American Chemical Society Symposium Series</u> , Vol. 690, Ch. 23; pp. 273-289.
C22	Peterson et al.; "Fiber-Optic Sensors for Biomedical Applications"; <u>Science</u> ; Vol. 224(4645); April 13, 1984; pp. 123-127.
C23	Fuh et al.; "Single Fibre Optic Fluorescence pH Probe"; <u>Analyst</u> ; Vol. 112; August 1987; pp. 1159-1163.
C24	Hirschfeld et al.; "Laser-Fiber-Optic "Optrode" for Real Time <i>In Vivo</i> Blood Carbon Dioxide Level Monitoring"; <u>Journal of Lightwave Technology</u> ; Vol. Lt-5, No. 7; July 1987; pp. 1027-1033.
C25	Barnard et al.; "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites"; <u>Nature</u> ; Vol. 353; September 26, 1991; pp. 338-340.
C26	Mignani et al.; "In-Vivo Biomedical Monitoring by Fiber-Optic Systems"; <u>Journal of Lightwave Technology</u> ; Vol. 13, No. 7; July 1995; pp. 1396-1406.
C27	Healey et al.; "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations"; <u>Analytical Biochemistry</u> ; Vol. 251; 1997; pp. 270-279.
C28	Graham et al.; "Gene Probe Assays on a Fibre-Optic Evanescent Wave Biosensor"; <u>Biosensors & Bioelectronics</u> ; Vol. 7; 1992; pp. 487-493.
C29	Piunno et al.; "Fiber Optic Biosensor for Fluorimetric Detection of DNA Hybridization"; <u>Analytica Chimica Acta</u> ; Vol. 288; 1994; pp. 205-214.
C30	Gordon et al.; "Optical Waveguide Device for DNA Hybridization Analysis"; <u>Oxford University Press</u> ; Vol. 30; 1996; pp. 164-168.
C31	Stimpson et al.; "Real-time Detection of DNA Hybridization and Melting on Oligonucleotide Arrays by Using Optical Wave Guides"; <u>Proc. Natl. Acad. Sci.</u> ; Vol. 92; July 1995; pp. 6379-6383.
C32	Stimpson et al.; "The Utility of Optical Waveguide DNA Array Hybridization and Melting for Rapid Resolution of Mismatches, and for Detection of Minor Mutant Components in the Presence of a Majority of Wild Type Sequence: Statistical Model and Supporting Data"; <u>Genetic Analysis: Biomolecular Engineering</u> ; Vol. 13; 1996; pp. 73-80.
C33	Smith, "Fiber Eases Single-Molecule Detection", <u>Photonics Spectra</u> , February 2000, pp. 23
C34	Fang and Tan, "Imaging Single Fluorescent Molecules at the Interface of an Optical Fiber Probe by Evanescent Wave Excitation", <u>Anal. Chem.</u> , Vol. 71; 1999, pp. 3101-3105
C35	Michael et al.; "Randomly Ordered Addressable High-Density Optical Sensor Arrays"; <u>Analytical Chemistry</u> Vol. 70, No. 7; April 1, 1998; pp. 1242-1248.
C36	Herne et al.; "Characterization of DNA Probes Immobilized on Gold Surfaces"; <u>J. Am. Chem. Soc.</u> Vol. 119; June 13, 1997; pp. 8916-8920.

C37 JAN 2004 RECEIVED	Wang et al.; "Mismatch-Sensitive Hybridization Detection by Peptide Nucleic Acids Immobilized on a Quartz Crystal Microbalance"; <u>Anal. Chem.</u> , Vol. 69, No. 24; December 15, 1997; pp. 5200-5202.
C38 RECEIVED	Ferguson, et al.; "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression"; <u>Nature Biotechnology</u> , Vol. 14; December 1996; pp. 1681-1684.
C39	Abel, et al.; "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides"; <u>Analytical Chemistry</u> , Vol. 68, No. 17; September 1, 1996; pp. 2905-2912.
C40	Agrawal et al., "Efficient Methods For Attaching Non-Radioactive Labels To The 5' Ends Of Synthetic Oligodeoxyribonucleotides"; <u>Nucleic Acids Research</u> , Vol. 14, pp 6227-6245, 1986.
C41	Atkinson et al., "Solid-Phase Synthesis of Oligodeoxyribonucleotides by the Phosphitetriester Method", <u>Oligonucleotide Synthesis</u> , pp 45-49, 1985.
C42	BRL Catalog (1988) p. 181. Published By BRL Life Technologies.
C43	Bannwarth et al., "Formation Of Carboxamides With N,N,N',N'- Tetramethyl (Succinimido) Uronium Tetrafluoroborate In Aqueous / Organic Solvent Systems", <u>Tetrahedron Letters</u> , Vol. 132, pp 1157-1160, 1991.
C44	Bunin et al., "The Combinatorial Synthesis and Chemical and Biological Evaluation of a 1, 4-benzodiazepine Library", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 91, pp 4708-4712, 1994.
C45	Bunin et al., "A General and Expedient Method For The Solid-Phase Synthesis of ,4-Benzodiazepine Derivatives", <u>J. Am. Chem. Soc.</u> , Vol. 114, pp 10997-10998, 1992.
C46	Cole Parmer Catalog (1995-1996) p. 124. Published by Cole Parmer Instrument Company.
C47	Connolly, Bernard A., "The Synthesis Of Oligonucleotides Containing A Primary Amino Group At The 5'-Terminus", <u>Nucleic Acids Research</u> , Vol. 15, pp 3131-3139, 1987.
C48	DeWitt et al., ""Diversomers": An Approach to Nonpeptide, Nonoligomeric Chemical Diversity" <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 90, pp 6909-6913, 1993.
C49	Durand et al., "Circular Dichroism Studies Of An Oligodeoxyribonucleotide Containing A Hairpin Loop Made Of A Hexaethylene Glycol Chain: Conformation And Stability" <u>Nucleic Acids Research</u> , Vol. 18, pp 6353-6359, 1990.
C50	Duveneck et al., "Novel Bioaffinity Sensors For Trace Analysis Based On Luminescence Excitation By Planar Waveguides", <u>Sensors and Actuators</u> , B 38-39; 88-95, 1997.
C51	Egholm et al., "Peptide Nucleic Acids (PNA). Oligonucleotide Analogues With An Achiral Peptide Backbone", <u>J. Am. Chem. Soc.</u> , Vol. 114, pp 1895-1897, 1992.
C52	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <u>Science</u> , Vol. 251, pp 767-773, 1991.
C53	Gallop et al., "Applications of Combinatorial Technologies to Drug Discovery 1. Background and Peptide Combinatorial Libraries", <u>Journal of Medicinal Chemistry</u> , Vol. 37, pp 1233-1251, 1994.
C54	Ghosh et al., "Covalent Attachment Of Oligonucleotides To Solid Supports", <u>Nucleic Acids Research</u> , Vol. 15, pp 5353-5372, 1987.
C55	Goodchild et al., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of Their Synthesis and Properties" <u>Bioconjugate Chemistry</u> , Vol. 1, pp 165-186, 1990.
C56	Gordon et al., "Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions", <u>Journal of Medicinal Chemistry</u> , Vol. 37, pp 1385-1401, 1994.
C57	Girvitz et al., "A Rapid and Efficient Procedure for the Purification of DNA From Agarose Gels", <u>Analytical Biochemistry</u> , Vol. 106, pp 492-496, 1980.
C58	Gryaznov et al., "Oligodeoxyribonucleotide N3'-->P5' Phosphoramidates: Synthesis and Hybridization Properties", <u>J. Am. Chem. Soc.</u> , Vol. 116, pp 3143-3144, 1994.
C59	Jung, et al., "Multiple Peptide Synthesis Methods and Their Applications", <u>Angewandte Chemie</u> , Vol. 31, pp 367-486, 1992.
C60	Kato et al., "Immobilization of DNA Onto A Polymer Support and Its Potentiality as Immunoabsorbent", <u>Biotechnology and Bioengineering</u> , Vol. 51, pp 581-590, 1996.
C61	Knorr et al., "New Coupling Reagents In Peptide Chemistry", <u>Tetrahedron Letters</u> , Vol. 30, pp 1927-1930, 1989.
C62	Lloyd-Wiliams et al., "Solid-Phase Peptide Synthesis" (Chapter 2) <u>Chemical Approaches to the Synthesis Of Peptides And Proteins</u> , pp 19-93, 1997.
C63	Lund et al., "Assessment of Methods For Covalent Binding Of Nucleic Acids To Magnetic Beads, DYNABEADS, And The Characteristics Of The Bound Acids In Hybridization Reactions", <u>Nucleic Acids Research</u> , Vol. 16, pp 10861-10880.
C64	Maskos et al., "A Study Of Oligonucleotide Reassociation Using Large Arrays Of Oligonucleotides Synthesised On A Glass Support", <u>Nucleic Acids Research</u> , Vol. 21, pp 4663-4669, 1993.
C65	Maskos et al., "Parallel Analysis of Oligodeoxyribonucleotide (Oligonucleotide) Interactions. I. Analysis Of Factors Influencing Oligonucleotide Duplex Formation", <u>Nucleic Acids Research</u> , Vol. 20, pp 1675-1678, 1992.
C66	Maskos et al., "Oligonucleotide Hybridisations On Glass Supports: A Novel Linker For Oligonucleotide Synthesis and Hybridisation Properties Of Oligonucleotides Synthesised <i>in situ</i> ", <u>Nucleic Acids Research</u> , Vol. 20, pp 1679-1684, 1992.
C67	Nelson et al., "BiFunctional Oligonucleotide Probes Synthesized Using A Novel CPG Support Are Able To Detect Single Base Pair Mutations", <u>Nucleic Acids Research</u> , Vol. 17, pp 7187-7194, 1989.

<i>PATENT & TRADEMARK OFFICE JAN 13 2004 JC182</i>	C68	Gelson et al., "A New And Versatile Reagent For Incorporating Multiple Primary Aliphatic Amines Into Synthetic Oligonucleotides", <u>Nucleic Acids Research</u> , Vol. 17, pp 7179-7186, 1989.
	C69	O'Donnell et al., "High-Density, Covalent Attachment of DNA to Silicon Wafers for Analysis By MALDI-TOF Mass Spectrometry", <u>Analytical Chemistry</u> , Vol. 69, pp 2438-2443, 1997.
	C70	Pease et al., "Light-generated Oligonucleotide Arrays For Rapid DNA Sequence Analysis", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 91, pp 5022-5026, 1994.
	C71	Piunno et al., "Fiber Optic Biosensor For Fluorimetric Detection of DNA Hybridization", <u>Analytica Chimica Acta</u> , Vol. 288, pp 205-214, 1994.
	C72	Rasmussen et al., "Covalent Immobilization of DNA onto Polystyrene Microwells: The Molecules Are Only Bound At The 5' End", <u>Analytical Biochemistry</u> , Vol. 198, pp 138-142, 1991.
	C73	Simon et al., "Peptoids: A Modular Approach To Drug Discovery", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 89, pp 9367-9371, 1992.
	C74	Singer, B., "Alkyl Bases, Nucleosides and Nucleotides", <u>CRC Practical Handbook of Biochemistry and Molecular Biology</u> , pp 385-395, 1985.
	C75	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models", <u>Genomics</u> , Vol. 13, pp 1008-1017, 1992.
	C76	Thompson et al., "Synthesis and Applications of Small Molecule Libraries", <u>Chem. Rev.</u> , Vol. 96, pp 555-600, 1996.
	C77	Timofeev et al., "Regioselective Immobilization of Short Oligonucleotides To Acrylic Copolymer Gels", <u>Nucleic Acids Research</u> , Vol. 24, pp 3142-3148, 1996.
	C78	Uhlman et al., "Antisense Oligonucleotides: A New Therapeutic Principle", <u>Chemical Reviews</u> , Vol. 90, pp 544-584, 1990.
	C79	Websters II New Riverside University Dictionary , p 733, 803; 1994.
	C80	Websters II New Riverside University Dictionary , p 404; 1994.
	C81	Weiler et al., "Combining the Preparation of Oligonucleotide Arrays And Synthesis of High Quality Primers", <u>Analytical Biochemistry</u> , Vol. 243, pp 218-227, 1996.
	C82	Wilcheck et al., "Improved Method For Preparing N-Hydroxysuccinimide Ester-Containing Polymers For Affinity Chromatography", <u>Bioconjugate Chem.</u> , Vol. 5, pp 491-492, 1994.
	C83	Wiley & Sons, Inc., "Surface Treatment", <u>The Wiley Encyclopedia of Packaging Technology second edition</u> , pp 867-874, 1997.
	C84	Zhang et al., "Single-Base Mutational Analysis Of Cancer And Genetic Diseases Using Membrane Bound Modified Oligonucleotides", <u>Nucleic Acids Research</u> , Vol. 19, pp 3929-3933, 1991.
	C85	G. L. Duveneck, et al., "Novel Bioaffinity Sensors for Trace Analysis Based on Luminescence Excitation by Planar Waveguides," <u>Sensors and Actuators B</u> 38 - 39 (1997) 88 - 95.
	C86	Pilevar et al., "Tapered Optical Fiber Sensor Using Near-Infrared Fluorophores to Assay Hybridization", <u>Anal. Chem.</u> , Vol. 70, pp 2031-2037, 1998
	C87	Abrams, "Fiber Optic Sensor Achieves High Sensitivity", <u>Biophotonics International</u> , p. 31 (1998)
	C88	Duveneck et al., "Fiber Optic Evanescent Wave Biosensor", <u>SPIE Chemical and Medical Sensors</u> , 1510:138-145 (1991)
	C89	Earp, "Fiber Optic SPR Sensors", http://www.chem.vt.edu/chem-dept/students/Earp/links.html (1998)
	C90	Hobbs, "Fluorescence Reveals Toxins on Antibody-Coated Fiberoptic Probe", <u>Laser Focus World</u> , (May 1992)
	C91	Krull et al., "Fiber Optic Chemoreception", <u>Fiber Optic Chemical Sensors and Biosensors</u> , Volume II, pp. 315-341, CRC Press
	C92	Mauro et al., "Fiber-Optic Fluorometric Sensing of Polymerase Chain Reaction-Amplified DNA Using an Immobilized DNA Capture Protein", <u>Analytical Biochemistry</u> , 235:61-72 (1996)
	C93	Strachan and Gray, "A Rapid General Method for the identification of PCR Products Using a Fibre-Optic Biosensor and Its Application to the Detection of Listeria", <u>Letters in Applied Microbiology</u> , 21:5-9 (1995)
	C94	Thompson and Ligler, "Chemistry and Technology of Evanescent Wave Biosensors", <u>Biosensors with Fiberoptics</u> , pp. 111-138, Humana Press
	C95	Xu and Yeung, "Direct Measurement of Single-Molecule Diffusion and Photodecomposition in Free Solution", <u>Reports</u> , 28 October 1996; accepted 7 January 1997

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.